What is Claimed Is:

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- 2 a) from about 0.25 to about 10.0% by weight of milk protein including solid milk protein particles;
- b) from about 5 to about 98% by weight of juice;
- 5 c) from about 0.01 to about 2.5% by weight of cations; and
- from about 0.01 to about 5.0% by weight of a stabilizer; wherein the stabilized
 milk product is an aqueous fluid, having a pH in a range from 3.2 to 6.5, in which
 the solid milk protein particles are suspended in the stabilized milk product and
 remain suspended for a period of greater than six weeks after production; wherein
 the average particle size of the solid milk protein particles range from about 1.0 to
 about 22.0 micrometers.
- 1 2. The stabilized milk product of claim 1, wherein the product contains from about 0.6 to
- 2 about 2.5% by weight of a stabilizer and the stabilizer is pectin.
- 1 3. The stabilized milk product of claim 1, wherein the stabilizer is an HM pectin.
- 1 4. The stabilized milk product of claim 1, wherein the product contains from about 1.0 to
- 2 about 2.5% by weight of milk protein.
- 1 5. The stabilized milk product of claim 1, wherein the product further contains from about 1
- 2 to about 40% by weight of particulate ingredients derived from a product of nature selected from
- 3 a group consisting of fruit, vegetables and other edible plant materials.
- 1 6. The stabilized milk product of claim 5, wherein the average particle size of the particulate
- 2 ingredients ranges from about 62 to about 498 micrometers.

- 1 7. The stabilized milk product of claim 1, wherein the product contains from about 0.4 to
- 2 about 1.5% by weight of cations.
- 1 8. The stabilized milk product of claim 1, wherein the product contains from about 0.01 to
- 2 about 0.5% by weight of an acidulent.
- 1 9. The stabilized milk product of claim 1, wherein the pH of the product is from about 3.8 to
- 2 about 4.4.
- 1 10. The stabilized milk product of claim 1, wherein the pH of the product is from about 4.6 to
- 2 about 6.5.
- 1 11. The stabilized milk product of claim 1, wherein the water activity of the product is from
- 2 about 0.85 to about 0.999.
- 1 12. The stabilized milk product of claim 1, wherein the titratable acidity of the product is
- 2 from about 0.5 to about 1.2.
- 1 13. The stabilized milk product of claim 1, wherein the viscosity of the product is from about
- 2 50 to about 350 mPa.
- 1 14. A stabilized milk product made by a process, the process comprising the steps of:
- a) blending a fluid milk product with a pectin stabilizer in a weight ratio of fluid milk to
- 3 pectin stabilizer of from about 80 to 1 to about 20 to 1 to form a blended milk/pectin mixture;
- b) heating and homogenizing the milk/pectin mixture, wherein the temperature of the
- 5 mixture is raised to a temperature of at least about 150°F;
- 6 c) blending the homogenized milk/pectin mixture with juice; and
- d) heating and homogenizing the blended milk/pectin/juice mixture, wherein the
- 8 temperature is raised to a temperature of at least about 170°F; wherein the product of the process
- 9 includes:

- i) from about 0.25 to about 10.0% by weight of milk protein including solid milk protein particles;
- ii) from about 5 to about 98% by weight of fruit ingredients including solid fruit particles;
 - iii) from about 0.01 to about 2.5% by weight of cations; and
- 15 iv) from about 0.01 to about 5.0% by weight of a stabilizer; wherein the
 16 stabilized milk product is an aqueous fluid, having a pH in a range from 3.2 to 6.5, in
 17 which the solid milk protein particles are suspended in the stabilized milk product and
 18 remain suspended for a period of greater than six weeks after production; wherein the
 19 average particle size of the solid milk protein particles range from about 1.0 to about 22.0
 20 micrometers.
- 1 15. The stabilized milk product of claim 14, wherein the product contains from about 0.6 to about 2.5% by weight of a stabilizer and the stabilizer is pectin.
- 1 16. The stabilized milk product of claim 15, wherein the stabilizer is an HM pectin.
- 1 17. The stabilized milk product of claim 14, wherein the product contains from about 1.0 to about 2.5% by weight of milk protein.
- 1 18. The stabilized milk product of claim 14, wherein the product further contains from about
- 2 1 to about 40% by weight of particulate ingredients derived from a product of nature selected
- 3 from a group consisting of fruit, vegetables and other edible plant materials.
- 1 19. The stabilized milk product of claim 14, wherein the product contains from about 0.4 to
- 2 about 1.5% by weight of cations.

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- 1 20. The stabilized milk product of claim 14, wherein the product contains from about 0.01 to
- 2 about 0.5% by weight of an acidulent.

- 1 21. The stabilized milk product of claim 14, wherein the pH of the product is from about 3.8
- 2 to about 4.4.
- 1 22. The stabilized milk product of claim 14, wherein the pH of the product is from about 4.6
- 2 to about 6.5.
- 1 23. The stabilized milk product of claim 14, wherein the water activity of the product is from
- 2 about 0.85 to about 0.999.
- 1 24. The stabilized milk product of claim 14, wherein the titratable acidity of the product is
- 2 from about 0.5 to about 1.2.
- 1 25. The stabilized milk product of claim 14, wherein the viscosity of the product is from
- 2 about 50 to about 350 mPa.
- 1 26. A process for making a stabilized milk product, the process comprising the steps of:
- a) blending a fluid milk product with a pectin stabilizer in a weight ratio of fluid milk to
- 3 pectin stabilizer of from about 80 to 1 to about 20 to 1 to form a blended milk/pectin mixture;
- b) heating and homogenizing the milk/pectin mixture, wherein the temperature of the mixture is raised to a temperature of at least about 150°F;
- 6 c) blending the homogenized milk/pectin mixture with juice; and
- d) heating and homogenizing the blended milk/pectin/juice mixture, wherein the
- 8 temperature is raised to a temperature of at least about 170°F; wherein the process is effective to
- 9 produce a stabilized milk product having:
- i) from about 0.25 to about 10.0% by weight of milk protein including solid
- 11 milk protein particles;
- ii) from about 5 to about 98% by weight of juice;
- iii) from about 0.01 to about 2.5% by weight of cations; and
- iv) from about 0.01 to about 5.0% by weight of a stabilizer; wherein the
- stabilized milk product is an aqueous fluid having a pH in a range from about 3.2 to about
- 6.5, in which the solid milk protein particles are suspended in the stabilized milk product

and remain suspended for a period of greater than six weeks after production; wherein the average particle size of the solid milk protein particles range from about 1.0 to about 22.0 micrometers.

- 27. A stabilized milk product comprising:
- 2 milk containing solid milk protein particles;
- 3 a stabilizer;

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- 4 and a juice;
- 5 wherein the milk and the stabilizer are pre-mixed and homogenized at a temperature of at
- least 150° F prior to the addition of the juice to form a pre-mixture; and
- wherein the pre-mixture and the juice are combined to form a milk stabilizer/juice
- 8 mixture and homogenized at a temperature of at least 170° F to form the stabilized milk product;
- 9 wherein the stabilized milk product is an aqueous fluid, having a pH in a range from 3.2 to 6.5,
- in which the solid milk protein particles are suspended in the stabilized milk product and remain
- suspended for a period of greater than six weeks after production; wherein the average particle
- size of the solid milk protein particles range from about 1.0 to about 22.0 micrometers.
- 1 28. A method of making a stabilized milk product, the method comprising:
- 2 blending a pectin into a milk fluid with agitation to form a mixture, the milk fluid
- 3 containing solid milk protein particles;
- 4 heating the blend to a temperature of at least 150°F;
- 5 homogenizing the heated mixture;
- 6 blending the mixture with a juice;
- heating the blended pectin/milk/fruit mixture to a temperature of at least 180°F; and
- 8 homogenizing the heated mixture to form the stabilized milk product; wherein the
- 9 stabilized milk product is an aqueous fluid, having a pH in a range from 3.2 to 6.5, in which the
- solid milk protein particles are suspended in the stabilized milk product and remain suspended
- 11 for a period of greater than six weeks after production; wherein the average particle size of the
- solid milk protein particles range from about 1.0 to about 22.0 micrometers.

- 2 29. A stable protein-containing beverage comprising:
- about 0.25 to about 10.0% by weight of an edible protein;
- 4 about 0.01 to about 2.5% by weight of a positively charged electrolyte or a combination
- 5 thereof;
- about 5 to about 98% by weight of juice; and
- about 0.01 to about 5% by weight of a stabilizer; wherein the stable protein-containing
- 8 beverage is at least primarily an aqueous system having a pH in the range of from about 3.2 to
- 9 about 6.5.
- 1 30. The stable protein-containing beverage of claim 29, wherein the edible protein is casein.
- 1 31. The stable protein-containing beverage of claim 29, wherein the positively charged
- 2 electrolyte includes a significant concentration of calcium.
- 1 32. The stable protein-containing beverage of claim 29, wherein the pH is in the range of
- 2 from about 3.8 to about 4.4.
- 1 33. The stabilized milk product of claim 18, wherein the average particle size of the
- 2 particulate ingredients ranges from about 62 to about 498 micrometers.
- 1 34. The stabilized milk product of claim 27, wherein the product further contains from about
- 2 1 to about 40% by weight of particulate ingredients derived from a product of nature selected
- 3 from a group consisting of fruit, vegetables and other edible plant materials.
- 1 35. The stabilized milk product of claim 34, wherein the average particle size of the
- 2 particulate ingredients ranges from about 62 to about 498 micrometers.